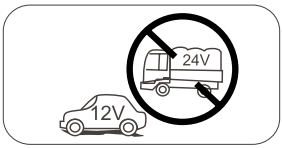
DVD/VCD/CD/MP3/USB/SD/MMC PLAYER WITH FM/AM TUNER

GPS & BLUETOOTH & iPod

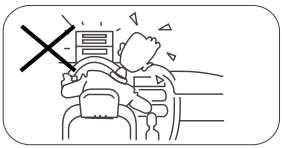
Safety Precautions

Thank you for purchasing this product. Please read through these operating instructions so you will know how to operate your model properly. After you have finished reading the instructions, keep this manual in a safe place for future reference.

Only connect the unit to a 12-volt power supply with negative grounding.

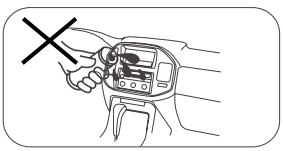


Never install this unit where the operation & condition for safety driving is restrained.

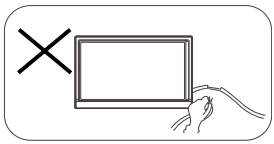


Never use the video display function in the front when driving to prevent the violation of laws & regulations and also to reduce the risk of traffic accident except using for rear view video camera.

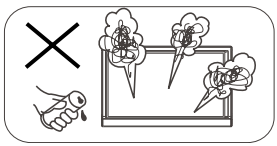
Never expose this unit, amplifier, and speakers to moisture or water for preventing electric sparks or fires.



Please don't change the fuse on the power cord without professional guidance, using improper fuse may cause damage to this unit or even cause fire.



Please power off this unit at once and send it back to the after-sales service center or the dealer /distributor you purchased from if one of the following symptoms is found:



(a). Water or other obstacle enters the unit;
(b). Smoking;
(c). Peculiar smell.

To ensure safe driving, please adjust the volume to a safe and comfort level in case of emergency situations.

Precautions

1. Never disassemble or adjust the unit without any professional guide.
   For details, please consult any professional car shop / dealer for inquiry.

2. If the front panel or TFT monitor is squalid, please use a clean silicone cloth and neutral detergent to wipe off the spot. Using a rough cloth and non-neutral detergent such as alcohol for cleaning may result in scratching or decoloration to the applicant.

3. If any abnormal behavior of the unit is found, please refer to trouble shooting guide of this manual. If no relevant information is found,please press the [RESET] key on the front panel to resume factory default.

4. If you have parked the car in hot or cold weather for a long time, please wait until the temperature in the car becomes normal before operating the unit.

5. Using in-car heater in low temperature environment may result in beads coagulate inside the unit, DO NOT use the unit in this situation, eject the disc and wipe off the bead on the disc. If the unit still doesn't work after a few hours, please contact with after-sales service center.

6. No fierce impact to the LCD monitor when it is in open position for preventing the damage to any mechanisms inside.

7. To prevent the damage to the screen, avoid touching it with sharp objects.

8. To provide a clear demonstration and an alternative for easy understanding to the operation of this unit, graphic illustrations are used.
   However, these illustrations are some different from the actual images displayed on the screen.

9. Operate the unit correctly according to this manual to prevent unnecessary problem. The guarantee won't be valid if the problem is caused by inappropriate operation.

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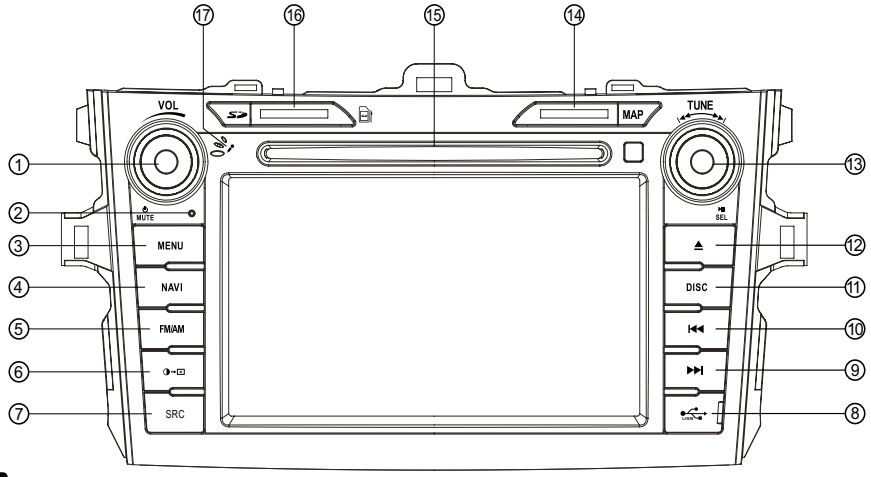
Front Panel

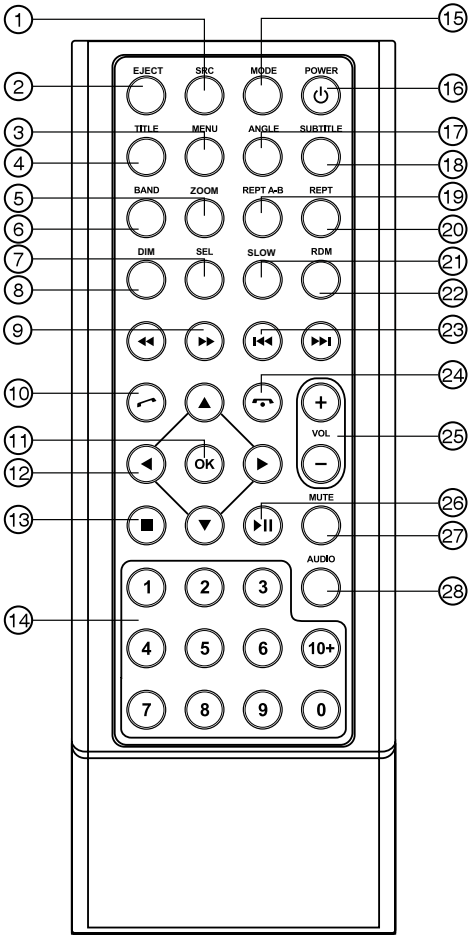


Note:

The graphic in this manual is for reference only, and may be different from that in real unit. Reference to real unit is suggested.

1. [VOL / ⏻ / MUTE] knob:
   Press to turn the uint on. Press and hold again to turn the unit off.
   Press to silence the audio volume.
   Turn clockwise to increase the volume, and turn counter-clockwise to decrease the volume.
   Rotate the knob adjust the screen brightness (press the ◑→⊡ key)
2. Reset: Load the original setting.
3. [MENU] key: Return to the home menu.
4. Navigation
5. Band switch: FM1-FM2-FM3-AM1- AM2
6. Adjust screen brightness (press)
   Black screen (long press)
7. Switch the word source
8. USB port
9. Press to skip to next track
   Press and hold to enter fast forward
10. Press to skip to previous track
    Press and hold to enter fast reverse
11. Disc
12. [⏏] key: Eject disc
13. Rotate to select next/previous track or preset station.
    Press to play/pause.
    Press and hold to enter EQ setting.
14. Map card slot
15. Disc slot
16. SD/SDHC/MMC card slot
17. Microphone

Remote Control



1. Select the sources
2. Disc eject
3. Menu (DVD)
4. Title (DVD)
5. Image zoom in/out
6. Radio band
7. Sound/display setting
8. Adjust screen brightness
9. Fast reverse/forward playback
10. Dial/Receive call
11. Enter
12. Menu cursor
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14. Digit area
15. Enter source menu
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17. Angle (DVD)
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19. A-B repeat
20. Repeat
21. On screen display
22. Track random play
23. Radio tune
    Track skip/seek
24. Call off/cancel
25. Volume
26. Play/Pause
27. Mute
28. DVD audio
    VCD audio L/R/ST

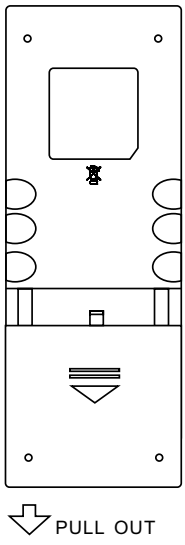
Before using

Notes of Remote Control Using

1) Aim the remote control at the remote sensor on the unit.
2) Remove the battery from the remote control or insert a battery insulator if the battery has not been used for a month or longer.
3) DO NOT store the remote control under direct sunlight or in high temperature environment, or it may not function properly.
4) The battery can work for 6 months under normal condition. If the remote control can't work, please change the battery.
5) Use “button shaped” lithium battery “CR2025” (3V) only.
6) DO NOT recharge, disassemble, heat or expose the battery in fire.
7) Insert the battery in proper direction according to the (+) and (-) poles.
8) Store the battery in a place where children cannot reach to avoid the risk of accident.

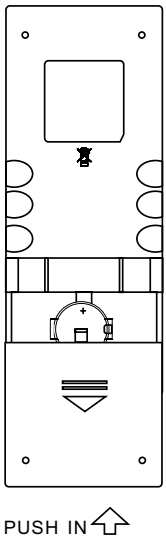
Uninstall Battery

Slide out the battery compartment tray at the bottom on the back of the remote control.



Install Battery

Use button-shaped lithium battery CR2025 (3V)” only. Insert the battery to the battery tray with proper direction according to the (+) and (-) poles.



Basic operations

Power On/Off

Turn on: Short-press [VOL / ⏻ / MUTE] knob on the front panel or [POWER] key on the remote control.

Turn off: When on, long press [VOL / ⏻ / MUTE] on the panel or press [POWER] key on the remote control.

Open SOURCE MENU

Press the [MENU] key on the front panel or touch the top left corner of the screen to open the SOURCE MENU.

Playing Source Selection

Open the SOURCE MENU, and then touch the source you desired or select one source by moving the cursor and then confirm.

Note:

Playing source selection means selecting work mode, such as DVD mode, Radio mode, Camera mode, etc.

Set Date /Time

1. Touch the upper left corner to display main menu.
2. Touch [Settings].
4. Touch [TIME].
   The setup menu is displayed.

Set Date

1. Touch [DATE].
2. Touch the date informationon on the screen.
   A submenu is displayed.
3. Touch [▲] / [▼] to set year, month and day.

Set Time

1. Touch [TIME].
2. Touch the time on the screen, a submenu is displayed.
3. Touch [▲] / [▼] to set hour and minute.

Set Clock Mode

1. Touch [MODE].
2. Touch [12H] or [24H] to switch clock mode.

Tip:

When date/time is set, touch the upper left corner of screen to exit.

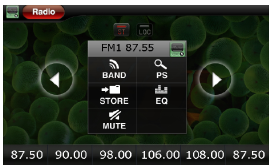
Radio mode

Select Radio as Playing Source

Open the SOURCE MENU and then touch [Radio].

Select One Radio Band

Press the [BAND] key on remote control or touch the [ ] icon on the user interface to select one radio band among FM1, FM2, FM3, AM1 and AM2.



Tune

Auto tuning

Press and hold the [⏮] / [⏭] key on the remote control or touch and hold [◀] / [▶] icon on the user interface more than 1 second to seek a higher / lower station.

To stop searching, repeat the operation above or press other keys having radio functions.

Note:

When a station is received, searching stops and the station is played.

Manual tuning

During manual tuning, the frequency will be changed in steps.

Press the [⏮] / [⏭] key on the remote control briefly or touch [◀] / [▶] icon on the user interface to tune in a higher / lower station.

Preset Station

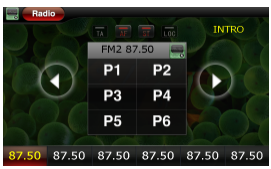
The unit has 5 bands, such as FM1, FM2, FM3, AM1, AM2, and each band can store 6 stations; hence the unit can store 30 stations in total.

Preview scan

Touch [🔍] to scan and play all strong stations for 5 seconds each. Press again to stop scanning and play the current station.

Manual store

1. Tune to a station.
2. Touch [➡📻].
3. Touch one of the channels P1 to P6 to save the selected band.



Recall a preset station

1. Touch [Radio].
2. Select the desired band.
3. Touch one of the preset channels (P1 to P6) on the bottom of the screen.

Local Seeking

Touch the [LOC] icon and choose the Radio Local or Distance.

When the [LOC] icon turns red, only stations with sufficient signal strength will be detected.

EQ Selection

Press the [ ] icon and enter the EQ setup.

Playback

Load Disc

You can play video, audio or images stored on the following discs:

- DVD Video, DVD-R, DVD-RW
- VCD
- Audio CD, CD-R, CD-RW

Note:

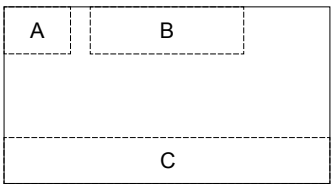
Ensure that the disc contains playable content.

Eject the Disc

Press the [⏏] key on the front panel or remote control to eject the disc. When the disc is ejected, the unit switches to the previous source.

Touch Screen Controls

The touch key areas for DVD playback are outlined below:



A: Return the main menu
B: Play the video and display playback information
C: Display onscreen control menu

Connect USB Device

1. Open the USB door.
2. Insert the small end of the supplied USB cable to the USB socket, then connect the other end of the cable to your USB device.

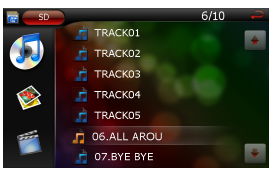
* You can also connect the USB to the rear USB port.

Remove the USB Device

1. Select other source on the main menu.
2. Remove the USB device.

Insert SD/MMC Card

Insert the SD/MMC card into the SD/MMC card slot.
Play starts automatically.



Remove the SD/MMC Card

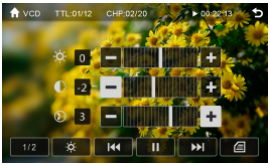
1. Select other source on the main menu.
2. Press the card unit you hear a click sound.
3. Remove the SD or MMC card.

Playback

Play/Pause

1. Once a disc,USB or SD/MMC is inserted, play starts automatically.
   For DVD movie, if a menu appears, press [▶] to start play.
2. To pause, touch [❚❚].
   To resume play, touch [▶].
3. Skip to previous/next track/chapter, press [⏮] / [⏭] key.
4. Touch ☼ key on the screen. The current screen brightness setting is displayed.
   Touch [+] or [-] to adjust below settings:

· 【☼】brightness range: -10 to +10
· 【◐】contrast range: -10 to +10
· 【Ⓗ】hue range: -10 to +10



Previous/Next

Touch [⏮] / [⏭] key on the screen to skip to previous/next track/chapter.

Fast Forward/Backward

Touch [◀◀] / [▶▶] key on the screen repeatedly to playback fast forward/backward.

Search for a Folder

For video files

1. Touch [ ] to display all available video folders.
2. Touch a folder,then touch [⬆] or [⬇] to select a file.
3. Touch [▶] to start play.
4. Touch [▶] again to pause.

For audio files

1. Touch [ ] to display all available audio folders.
2. Touch a folder,then touch [⬆] or [⬇] to select a file.
3. Touch [▶] to start play.
4. Touch [▶] again to pause.

For picture files

1. Touch [ ] to display all available picture folders
2. Touch a folder,then touch [⬆] or [⬇] to select a picture.
3. Touch [▶] to view the picture.
4. Touch [▶] again to pause.

Repeat

For DVD/VCD movie disc:

1. Touch bottom half of the screen to display menu on the screen, if necessary.
2. Touch [1/2] to display the 2nd menu.
3. Touch [⟲] to select:
   Repeat chapter: play the current chapter repeatedly.
   Repeat title: play all chapters in the title repeatedly.
   Repeat all: Play all the tracks in the folder repeatedly.
   Repeat off: cancel repeat play.

For VCD karaoke or audio CD:

[ ]: Play the current chapter repeatedly.
[ ]: Play all chapters repeatedly.
[ ]: Cancel repeat play.

For MP3/WMA files:

1. Touch anywhere except the upper left corner to display menu on the screen, if necessary.
2. [ ]: Play the current chapter repeatedly.
   [ ]: Play all chapters repeatedly.
   [ ]: Cancel repeat play.

Tip:

You can also press REPEAT on the remote control to select repeated play mode.

Repeat A-B

You can repeat a specific of video file (repeat A-B).

1. Touch bottom half of the screen to display control menu, if necessary.
2. Touch [1/2] to display the 2nd menu, if necessary.
3. Touch [A-B] repeatedly to mark:
   Repeat A-: the start of the section to repeat.
   Repeat A-B: the end of the section to repeat.
   The selected section plays repeatedly.
4. To exit A-B repeat mode, touch A-B repeatedly, [Repeat A-B off] is displayed.

Random Play

You can play audio tracks/files in random order.
During play, touch [RDM] on the remote control repeatedly to turn random play on or off.

Select Audio Mode

When you play VCDs, you can select an audio mode (R/L/Stereo).

1. During play, touch bottom half of the screen to display menu on the screen, if necessary.
2. Touch [1/2] to display the 2nd menu.
. Touch [Audio] repeatedly until the audio mode is selected.

Select Subtitle Language

For DVD or Divx discs that contain two or more subtitle languages.

1. During play, touch bottom half of the screen to display menu on the screen, if necessary.
2. Touch [1/2] to display the 2nd menu.
3. Touch [Sub Title] repeatedly to select a language.
   The selected language is displayed.

Tip:

You may also press SUBTITLE on the remote control repeatedly to select subtitle language.

Playback

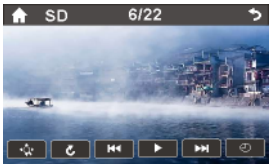
Change View Angle

Some DVDs contain alternate scenes,such as scenes recorded from different camera angles.For such DVDs,you can select from the available alternate scenes.

1. During play, touch bottom half of the screen to display menu on the screen, if necessary.
2. Press [ANGLE] repeatedly on the remote control.
   The view angle is changed.

Picture Files Playback

When you view pictures,touch bottom half of the screen to display menu on the screen, if necessary.



Zooming

You can zoom in pictures for a close view.

1. Touch [ ] repeatedly to zoom in the picture.
2. Use [↑], [↓], [←], [→] keys to pan through the enlarged picture.

Rotate File

Touch [ ] repeatedly to rotate the picture.

Playback Speed

1. When you view pictures,touch bottom half of the screen to display menu on the screen, if necessary.
2. Touch [ ] repeatedly to select your desired playback speed: Normal/Fast/Slow.

Bluetooth mode

Bluetooth is a wireless transmission way for short distance. The built-in bluetooth can connect with the mobile phones having bluetooth function.
After connecting, you can control your mobile phone through the unit.
You can make or receive phone calls with Bluetooth-enabled phones through the unit. You can also listen to music from a Bluetooth-enabled device.

Pair the Bluetooth-enabled Devices

To connect your Bluetooth device to the unit,you need to pair the device to the unit. Pairing needs only to be done once. You can pair up to five devices.

1. Turn on the Bluetooth function on the device.
2. Search for Bluetooth device with the device.
3. Select the Bluetooth device ID in the pairing list.
4. Enter default password“0000”.
   If pairing succeeds, phone call record is displayed.

Tip:

- The operational range between this unit and a Bluetooth device is approximately 10 meters (30 feet).
- Before you connect a Bluetooth device to this unit,familiarize yourself with the Bluetooth capabilities of the device.
- Compatibility with all Bluetooth device is not guaranteed.
- Any obstacle between this unit and a Bluetooth device can reduce the operational range.
- Keep this unit away from any other electronic device that may cause interference.

Disconnect Bluetooth Device

To disconnect one device,touch [ ] (red).
[ ] (Green) is displayed.

Tip:

- The device will also be disconnected when the device is moved beyond the operational range.
- If you want to reconnect the device to the unit, place it within the operational range.
- If you do not want to reconnect the device to the unit automatically, touch [ ], then touch [Auto connect] until [Off] appears after [Auto connect]. For details, see the “Adjust Bluetooth settings” section.

Make a Call

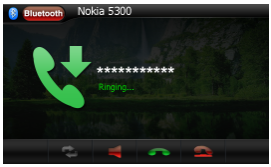
1. Select [Bluetooth] in the home menu.
2. Pair the phone with the unit.
3. Touch [ ], [ ] to select the paired phone, touch it to select.
4. Touch [ ], [ ] to search for phone number from the following list:

· [Missed calls]
· [Received calls]
· [Dialed calls]
· [Phone book]

Or touch [ ] to dial number directly,then touch [ ] to dial.

Bluetooth mode

Receive a Call



By default,all incoming calls are received automaticaly.

1. If there is incoming call, the ncoming call and “Ringing” appear on the screen. Speak into the Bluetooth microphone.
2. When conversation ends, touch [ ](red) to terminate the call.

Tip:

· You can select to receive calls manually by set [Auto answer] to [Off] status.

Switch Phone Call to the Mobile

If you do not want your passenger to hear your incoming call, you can switch the call to the mobile.

1. During talking, touch [ ].
   The voice is transferred from the unit’s loudspeaker to the mobile phone.

Adjust Bluetooth Settings

1. In Bluetooth menu,touch [ ].
   The option menu is displayed.
2. Touch on the selected option to change the setting.

· [Bluetooth]: to turn on or off “Bluetooth” function.
· [Auto connec]: to turn on or off “Auto connect” function.
· [Auto answer]: to turn on or off “Auto answer” function.
· [Pairing code]: to set paring code.
· [Phone Book Sync]: to synchronize phone book, touch [ ] on the sub-menu popped out.

Tip:

· You can also adjust Bluetooth settings in the “Settings”menu.

Play Music

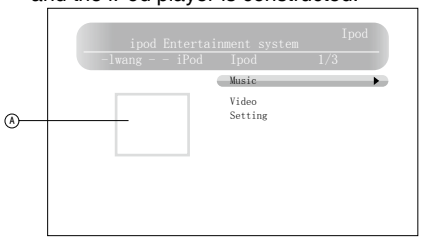
If the connected Bluetooth device supports Advanced Audio Distribution Profile(A2DP), you can listen to the music stored on the device through the unit. If the device also supports Audio Video Remote Control Profile(AVRCP), you can use the control on the unit or its remote control to play music stored on the device.

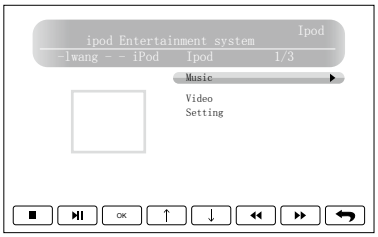
1.Pair the phone with the unit.
2.Touch the upper left corner to return to home menu.
3.Touch [Bluetooch],the Bluetooth menu is displayed.
4.Start play music via device.

iPod mode

Select iPod as playing source

Current source will switch to [iPod] automatically, after the stable connection between the unit and the iPod player is constructed.

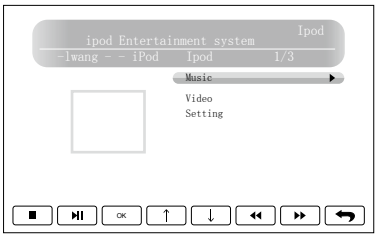


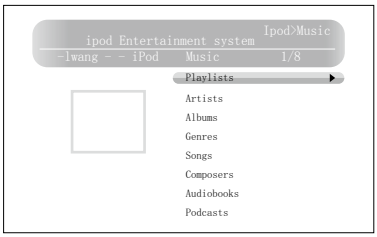


Operation:

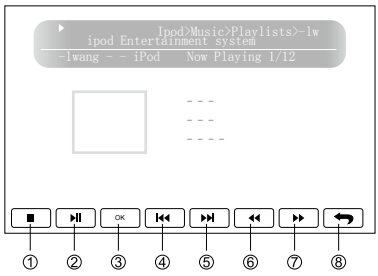
1. Operate the main menu by pressing the icons, before the screen is not full screen.
2. Press the [↑] 、[↓] icon to select file, touch the [OK] icon to play.
3. Press the [◀◀]、[▶▶] icon to previous or next. Select the [↩] icon to return the last menu.
4. Press the Ⓐ of screen shows control menu.

For audio files



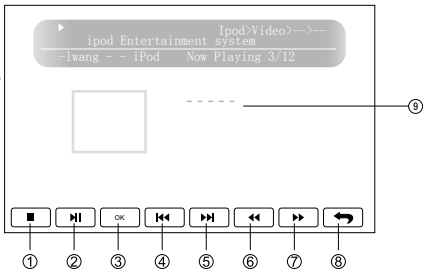


1. Touch [Music] to display all available audio folders.
2. Touch a folder, then touch [↑] or [↓] to select a file.
   ① pause
   ② play
   ③ ensure to the selective file
   ④ previous
   ⑤ next
   ⑥ fast forward
   ⑦ fast rewind
   ⑧ return the last operation



For video files

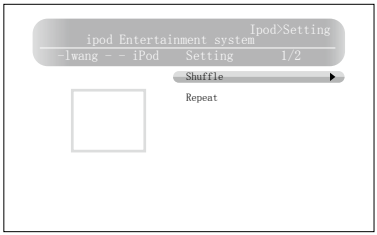
1. Touch [Video] to display all available video folders.
2. Touch a folder, then touch [↑] or [↓] to select a file.
   ① pause
   ② play
   ③ ensure to the selective file
   ④ previous
   ⑤ next
   ⑥ fast forward
   ⑦ fast rewind
   ⑧ return the last operation
   ⑨ display



iPod mode

For Setting

1. Touch [Setting] on the screen.
   The current Equalizer setting is displayed.
2. Touch ↑ or ↓ to select.



- **Shuffle**
  - > Shuffle off
  - > Shuffle Songs
  - > Shuffle Albums

- **Repeat**
  - > Repeat off
  - > Repeat One
  - > Repeat All

Adjust sound

Adjust Volume

To adjust volume, rotate the volume knob on the host car audio.

Mute

When playback, press the [VOL / ⏻ / MUTE] knob on the panel or [🔇] on the screen (if available),
the sound is cut off.
To resume sound, press the button again.

Select Preset Equalizer

You can select preset equalizer:

- [User]
- [Flat]
- [Pop]
- [Techno]
- [Rock]
- [Classic]
- [Jazz]
- [Optimal]

1. Touch [🎚] on the screen.
   The current Equalizer setting is displayed.
2. Touch [+] or [-] to select an EQ.
3. Touch [+] or [-] to adjust below settings:

- [Bass] bass range: -7 to +7
- [Mid] middle range: -7 to +7
- [Treb]treble range: -7 to +7
- [LPH]low pass filter range: 60, 80, 100, 200
- [MPF]middle pass filter range: 0.5K, 1K, 1.5K, 2.5K
- [HPF]high pass filter rang: 10K, 12.5K, 15K, 17.5K

4. Touch [↺] to restore the above settings into default settings.
5. Touch the upper left corner of the screen to exit.

Adjust Fader/Balance

You can also adjust the front and rear speaker balance, the left and right speaker balance,and subwoofer settings.

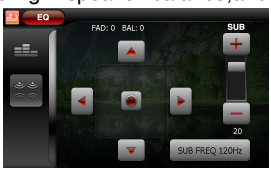
1. Touch [🎚] on the screen.
2. Touch [🔊].
   Below options are displayed:
3. Touch [+] or [-] to select subwoofer volume.

- [Sub] subwoofer volume: 0 to 24.

4. Touch [↑], [↓] or [←], [→] to adjust fader/balance value.

- [Fade] fader range: -7 to +7 (F=front range, R=rear range)
- [Balance] balance range: -7 to +7 (L=left range, R=rear range)

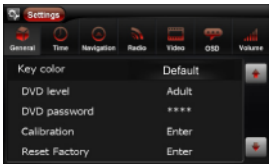
5. Touch the upper left corner of the screen to exit.



Display System

1. Touch the upper left corner to display main menu.
2. Touch [➡] in the nether right corner of the screen.
   The second main menu is displayed.
3. Touch [Settings].
   The settings menu is displayed.

General Settings



1. Touch [General], if necessary.
2. Touch [⬆] or [⬇] to highlight a setting.
3. Touch on the option to display/select an option.
4. Touch blank area of the screen to exit.

- **Key color**

Repeatedly press the control bar on the screen to select the key color.

Note:

Key color of graphic illustration may be different from actual setting, just for your reference.

- **DVD level**

The unit has some watching level as followings:
(1) Kid safe: A movie rating that is condign to children.
(2) G: A movie rating that allows admission to persons of all ages.
(3) PG: A movie rating that allows admission of persons of all ages but suggests parental guidance in the case of children.
(4) PG-13: A movie rating that allows admission of persons of all ages but suggests parental guidance in the case of children under the age of 13.
(5) PG-R: PG-related.
(6) R: A movie rating that allows admission only to persons of a certain age, usually 17, unless accompanied by a parent or guardian.
(7) NC-17: A movie rating that allows admission to no one under the age of 17.
(8) Adult: A movie rating that is condign to the adult only.

Touch [▲] / [▼] to select.

Procedures of changing the rating:
1. Enter password to unlock the parental lock.
   Locate the cursor on the 'password' option, touch the 'Password' option directly to open the onscreen keypad, touch the numeric buttons to enter your password and then confirm.
2. Change the rating
   Select an appropriate rating from the 'rating' list.
3. Close the parental lock
   Repeat the operation of the first step to enter a 4-digit password (old or new) and then confirm. The parental lock is closed.

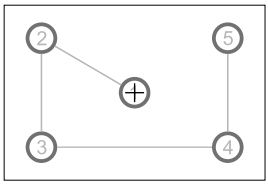
- **DVD password**

Some DVD discs have built-in parental lock which prevents children to watch some scenes as force or eroticism especially.
The original password of the unit is null. You should set a new password ASAP.

Method of changing password:
1. Touch [DVD password] directly to open the onscreen keypad, touch the numeric buttons to enter your password (original password for the first time) and then confirm.
2. Repeat the operation above to enter a new 4-digit password and then confirm. The new password becomes effective and the parental lock is closed.

- **Calibration**

When the touch operation is not sensitive or valid, you should calibrate the touch screen through TS CAL Screen function.
Adjust the response positions of the touch panel as followings:
1. Press the [Calibration] icon on the setup menu to enter.
2. Touch [▲] / [▼] to select [Enter].
3. Use a pointed object to touch the center of [+], the [+] will move automatically.
4. Aim at center of [+],follow the path as shown of the figure,after steps from 1 to 5,the system will exit calibrating automatically.



- **Reset factory**

To restore the default settings relating with DVD playback (e.g.: DVD Audio, DVD Subtitle), press the [Reset factory] option to enter.

- **Beep**

On: Background sound of key-press is on.
Off: Background sound of key-press is off.

Radio Settings

- **Radio area**

Touch [▲] / [▼] to select the desired radio region.

Video Settings

- **Rear camera**

Touch [Rear camera] to select the desired image mode.

- **Parking**

When it is in Parking “On” mode, if you play the video disc, the screen will appears “WARNING”. The above warning screen will prevent the driver watching images.

- **Dimmer mode**

Touch [▲] / [▼] to select the desired dimmer mode.

- **Aspect ratio**

Touch [▲] / [▼] to select the desired aspect mode.

OSD Settings

- **OSD**

Select one language that you are familiar with to display system menu.

- **DVD audio**

Select one dialogue language that you are familiar with when playing back DVD discs.

- **DVD subtitle**

Select one language that you are familiar with to display DVD subtitles.

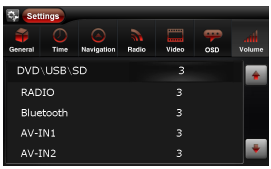
- **DVD menu**

Select one language that you are familiar with to display DVD menu.

Note:

If the DVD disc has the file in the selected language, the dialogues you listened to will be in the selected language.
If the DVD disc does not contain the file in the selected language, the dialogues you listened to will be in the default language.

Volume Settings



You can set different volume for different modes.

1. Touch [Volume].
   The volume setting sub-menu is displayed.
2. Touch on a source.
3. Touch [▲] / [▼] to assign the value.
   When switches to the source, the volume increases automatically.
4. Touch the upper left corner of the screen to exit.

Other modes

Listen to Other Devices

You can connect an external audio/video device to be unit.

1. Connect the car audio to the device with the supplied AV cable.
2. Touch the upper left corner to display the main menu.
3. Touch [AV-IN1] / [AV-IN2].
4. Operated the connected the device(see the instructions manual of the device).

Tip:

If you connected the system to other audio device through the REAR OUT L/R connectot(see "Connect wires" section), touch [AV-IN] to listen to that device.

Reset

When the unit hangs up, you can reset it.
Press RESET with a ball-point pen or similar tool.

Tip:

When the unit is reset, all the settings remain unchanged.

Remove the Unit

To repair ,replace a fuse ,or replace the unit with another car audio,remove it from the dashboard.

1. Take off the trim plate.
2. Screw off the four screws on the left/right side of the unit.
3. Pull the unit out from the dashboard.

Replace a Fuse

If there is no power,the fuse may be damaged and need to be replaced.

1. Take out the unit from dashbpard.
2. Check the electric connection.
3. Buy a fuse that matches the voltage of the damaged fuse.
4. Replace the fuse.

GPS

1. Touch the upper left corner to display home menu.
2. Touch [Navigation], the navigation menu is display in a few seconds.
3. Refer to the map manual to operate the navigation system.

User-Defined Wallpaper

1. Touch the [✳] icon on the nether left of main menu to change wallpaper.
2. Load picture from SD Card and use it as wallpaper
   If you insert the SD Card with pictures in it after your entry, you may have to wait several seconds for the SD Card reading. Otherwise you may use it directly.
   To Select a picture in SD Card, you should touch " Browse SD Card" button first, then the directories and the files will be listed. If you select a directory and then touch [√] button, you will enter the directory. If you select a picture and then touch [√] button, the picture will be loaded into the flash and used as current wallpaper at the same time.
   Touch the button below [√] to go back to view the pictures in flash.
   Touch the button at the right side of the display of directory to go back to the upper directory.
3. Use or delete pictures in flash
   After the 1st step, you can see the pictures in flash listed out, you can preview them by select one of them, then touch the [√] button to use it as wallpaper.
   You can also delete pictures in flash which you are not currently using. Select one and touch the garbage box button.

SWC

Press the desired function key of the list to the control button of the SWC.
By the setting, you can use the button of the steering wheel to control play, pause, select track etc.
Setting below:
To connect your steering wheel control device to the unit.

Enter the setting menu.
Touch the anyone key from"KEY 0" to "KEY 7", and the opposite function key turns gray, font turns bigger, touch the [▲] / [▼] to select the function key that you you want.

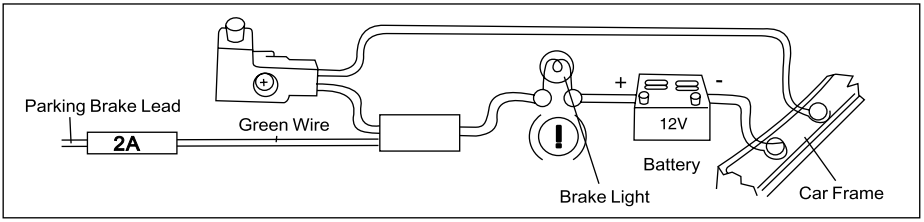
For example:
1. Touch"KEY 1"function ,
   Touch [▲] / [▼] to select the function key [Vol-] (shown as below).
2. The interface is displayed by touch [⊖] again.

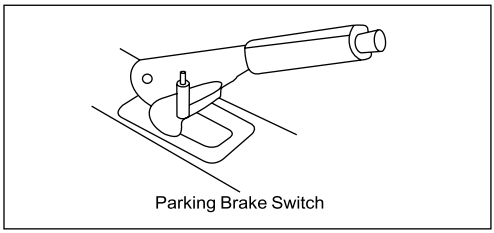
Press the [Vol-] and the opposite function key of the SWC function key [Vol-] for one second, and ensure the opposite connection, then disentangle.

Touch [↺] the nether left corner of the screen to exit.
You can press the anyone key of the steering wheel, if necessary.
After pressing, the opposite function settings displays, if necessary to adjust the effect.
Other opposite function settings the same as"Vol-".
If you think setting very troublesome one by one, and may set several keys at the same time.
Press the everyone opposite function key of the SWC function key for one second, and ensure the opposite connection, then disentangle.

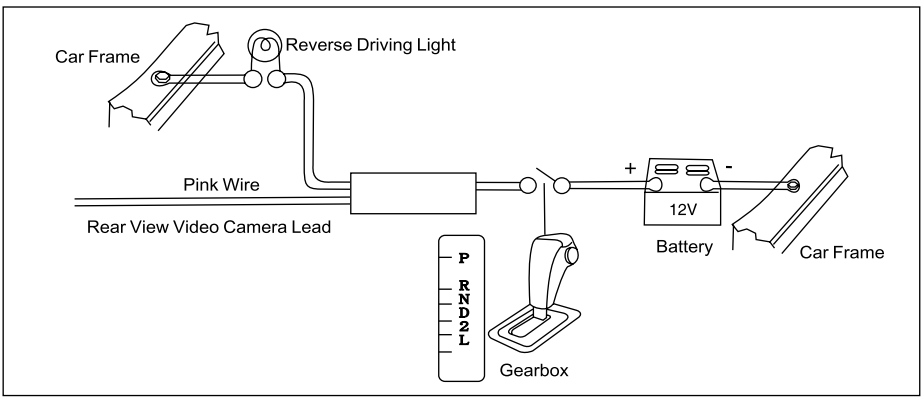
Device connections

Parking Brake Cable Connections



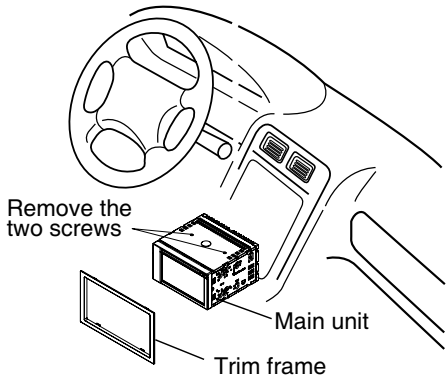


Reverse Driving Cable Connections



Installation Guide

1. If relevant, remove any other audio system from the car.
2. Perform the required electrical connections:
   - If necessary, connect the hand brake wire to your hand brake contact in order to activate the video display when playing a DVD (when the car is parked).
   - Connect the wire that activates the reversing camera to the reversing sensor or to a reversing light. If necessary, connect your reversing camera to the car radio's reversing camera input using a video cable (not supplied).
   - Ensure that you now place the USB cable located at the back of the unit in such a way that it comes out of the dashboard or the glove box.
3. Then check that everything works before installing the main unit.
4. Remove the two screws on the top of the unit, otherwise, the unit will not work.
5. Install the car radio in the dashboard using the supplied screws (M5x6mm).
6. Attach the outer trim frame.
   If you are not sure how to install this unit correctly, contact a qualified technician.



Specifications

Geneal

Reference Supply Voltage	12V(DC)
Operating Voltage Range	10.5 - 15.8V(DC)
Max Operating Current	15A
Grounding System	Car Battery Negative Pole
Dimensions(WXHXD)	277 x 146 x 191mm
Weight(main unit)	3.5kg

FM

Signal Noise Ratio	≥60dB
Residual Noise Sensitivity(S/N=30dB)	18dBμV
Frequency Response(±3dB)	40Hz~12.5KHz
Station Seeking Level	20~28dBμV
Distortion	≤1.5%
Stereo Separation(1KHz)	≥25dB
Antenna Impedance	75Ω

AM

Residual Noise Sensitivity (S/N=20dB)	30dBμV
Selectivity (±9KHz)	≥50dB

LCD

Screen size	7.0inches
Display resolution	800X480dots
Contrast radio	500
Brightness	450cd/m^2

DVD Player

Signal / Noise Ratio	90dB
Dynamic Range	90dB
Distortion(line out)	≤0.1%
Frequency Response(±3dB)	20Hz~20KHz
Maximum Output Power	4×45W
Load Impedance	4Ω

AUX IN

Distortion	≤0.5%
Frequency Response(±3dB)	20Hz~20KHz
Audio Input Level	1Vrms

Audio

Audio Output Impedance	100Ω
Audio Output Level	2Vrms(Max)

Video

Normal Video Input Level(CVBS)	1.0±0.2V
Video Input Impedance	75Ω
Video Output Impedance	75Ω
Video Output Level	1.0±0.2V

Environment

Operating Temperature	-10°C ~ +60°C
Storing Temperature	-20°C ~ +70°C
Operating Humidity	45%~80%RH
Storing Humidity	30%~90%RH

Note:

When the unit is operated extremely, such as operated with maximum power output for a long time, or the temperature is over 70°C, it will enter heat protection mode, the volume will be lower automatically. This is normal.

Specifications

Supported formats:
·USB or memory file format:FAT16,FAT32
·Mp3 bit rate(date rate):32-320 Kbps and variable bit rate
·WMA v9 or earlier
·Directory nesting up to a maximum of 8 levels
·Number of albums/folders:maximum 99
·Number of tracks/titles:maximum 999
·ID3 tag v2.0 or later
·File name in Unicode UTF8(maximum length:128 bytes)

Unsupported formates:
·Empty albums:an empty album is an album that does not contain MP3/WMA files,and is not be shown in the display.
·Unsupported file formats are skipped.For example,Word documents(.doc) or Mp3 files with extension.dlf are ignored and not played.
·AAC,WMV,PCM audio files
·DRM protected WMA files(.wav,.m4a,.m4p,.mp4,.aac)
·WMA files in Lossless format

Supported MP3 disc format:
·ISO9660,Joliet
·Maximum title number:512(depending on file name length)
·Maximum album number:255
·Supported sampling frequencies:32kHz,44.1kHz,48kHz
·Supported Bit-rates:32-320Kbps and variable bit rate

Supported video formats:
·DVD
·MP4
·Xvid

Region code

According to DVD sale region, the whole world is divided into six regions. A DVD disc can be played back only when its region code is compatible with that of the player in use.
Region 1: USA, Canada, East Pacific Ocean Islands;
Region 2: Japan, West Europe, North Europe, Egypt, South Africa, Middle East;
Region 3: Taiwan of China, Hong Kong of China, South Korea, Thailand, Indonesia, South East Asia;
Region 4: Australia, New Zealand, Mid & south America, South Pacific Ocean Islands/Oceania;
Region 5: Russia, Mongolia, India, Middle Asia, East Europe, North Korea, North Africa, North West Asia;
Region 6: Chinese Mainland.

Cautions of disc using

1) DO NOT use irregular shaped disc
2) Disc Cleaning
Use a dry, soft cloth to wipe the disc from center to edge, only neutral detergent can be used.
3) When playing a new disc
New disc may have some rough spots around the inner and outer edges. If such a disc is used, remove these rough spots with a pencil or ball-point pen, etc.

Troubleshooting

Warning
Never remove the casing of this apparatus.

To keep the warranty valid, never try to repair the system yourself.
If you encounter problems when using this apparatus, check the following points before requesting service. If the problem remains unsolved, please contact your dealer.

No power
· Car engine has not been started. Start the car engne.
· Connections is ncorrect.
· Fuse has been damaged. Replace fuse.

No sound
· Volume is too low. Adjust volume.
· Speaker connections is incrrect.

No response to the remote control
· Ensure that the path between the remote control and the unit is clear from obstacles.
· From a close distance,point the remote control directly at the unit.
· Replace the remote control battery.
· The function does not work. Refer to the instructions.

Disc does not play
· Disc is upside down. Ensure the printed side is upwards.
· Disc is dirty. Clean the disc with a clean,soft,lint-free cloth. Wipe the disc outwards from the center.
· Disc is defective. Try another disc.
· Incompatible disc is used. Try another disc.
· Disc rating exceeds the restrict setting. Change the rating settings to lower one.
· Disc region code is not compatible with the unit. Use disc with proper region code.

No image
· Parking brake wire connection is incorrect. Check the parking wiring.

Image flashes or distorted
· Video DVD settings do not match with the DVD. Adjust video DVD settings.
· Video connection is improper. Check the connections.

Noise in broadcasts
· Signals are too weak. Select other stations with stronger signals.
· Check the connection of the car antenna.
· Change broadcast from stereo to mono.

Preset stations lost
· Battery cable is not correctly connected. Connect the battery cable to the terminal that is always live.

Troubleshooting

Fuse is broken

· The Fuse type is incorrect. Replace it with a 15A fuse.
· Speaker wire or power wire is grounded.
Check the connections.

About USB device

· USB date error. Check the USB device.

About Bluetooth device

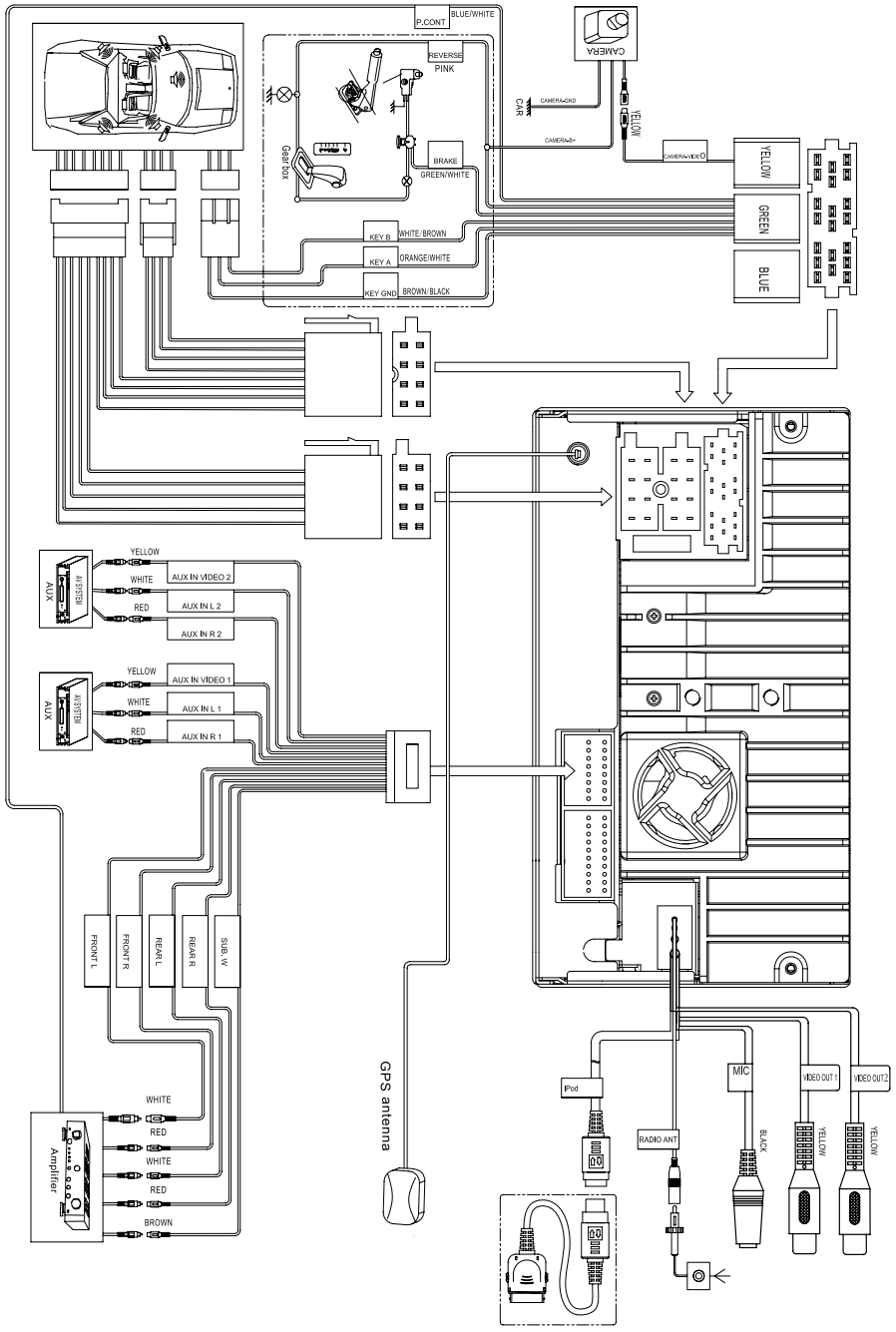
Music playback is unavailable on the system even after successful Bluetooth connection.
· The device cannot be used with the sstem to play music.

The audio quality is poor after connection with a Bluetooth-enabled device.
· The Bluetooth reception is poor. Move the device closer to the system or remove any obstacle between the device and the system.

Cannot connect with the system.
· The device does not support the profiles required for the system.
· The Bluetooth function of the device is not enabled. Refer to the user manual of the device for how to enable the function.
· The system is not in the pairing mode.
· The system is already connected with another Bluetooth-enabled device. Disconnect that device or all other connected devices and then try again.

The paired mobile phone connects and disconnects constantly.
· The Bluetooth reception is poor. Move the mobile phone closer to the system or remove any obstacle between the mobile phone and the system.
· Some mobile phones may connect and disconnect constantly when you make or end calls. This does not indicate any malfunction of the system.
· For some mobile phones, the Bluetooth connection may be deactivated automatically as a power-saving feature. This does not indicate any malfunction of the system.

Overall Wiring Diagram



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